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To: Examiner Ben Wang

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From: Robert Hubbard

Phone #: 860 210-1611

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Mr. Wang:

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1. (Currently amended) A source control system for a process control system, comprising:

- a processor in a process control system;
- a database accessible by said processor to store information associated with an object under source control to be checked-out; and
- a check-out function operable on said processor (a) to check-out said object wherein said object being checked out is a user-defined template (UDT) that is derived from a preconfigured block type object, wherein any existing dependent objects are children UDTs of said object being checked out or instances of said object being checked out, wherein said instances are objects that inherit block type objects and parameters of said UDT or of said children UDTs, and wherein said stored information includes a reference to said an existing parent object, (b) to propagate changes made to said object or to any of said existing dependent objects, when said object is saved, (c) to use said information to determine whether any of said dependent objects exist and whether at least one parent object exists, and (d) to automatically check-out said existing dependent objects, wherein said stored information includes a reference to said existing parent object, wherein said object being checked out is a user defined template that is derived from a preconfigured object and wherein said existing dependent objects are children user-defined templates of said object being checked out or instances of said object being checked out or of said children user-defined templates.

16. (Currently amended) A computer readable medium having executable instructions stored thereon to perform a method of version control, said method comprising:

when checking-in an object, wherein said checked-in object is a user defined template (UDT) that is derived from a preconfigured block type object, determining relationships of said object by: determining whether said object being checked-in has a first derivation parent;

adding a name and a version of said first derivation parent to a list of object relationships, if said object being checked-in has said first derivation parent, wherein said first derivation parent is a first parent UDT of said object being checked-in or a first instances of said object being checked-in, wherein said first instances is an are objects that inherits block type objects and parameters of said UDT, or of said first parent UDT;

if said object being checked-in does not have said first derivation parent, determining for if each contained object, that which is contained in said object being checked-in, has a UDT as a second derivation parent, whether said contained object has a second derivation parent, if said object being checked-in does not have said first derivation parent;

adding a name and a version of said second derivation parent to said list of object relationships, if said contained object being checked-in has said second derivation parent wherein said second derivation parent is second parent UDT of

~~said object being checked in or second instances of said object being checked in, wherein said second instances are objects that inherit block type objects and parameters of said UDT, or of said second parent UDT; and~~

providing said list of object relationships.